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Form C-105
Revised 10-68

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
2029-46

1a. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ CRY ☐ OTHER ☐

b. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

2. Name of Operator **ARCO Oil and Gas Company**
Division of Atlantic Richfield Company

3. Address of Operator
Box 1710, Hobbs, N.M. 88240

4. Location of Well

UNIT LETTER **4** LOCATED **485** FEET FROM THE **North** LINE AND **1070** FEET FROM

THE **West** LINE OF SEC. **4** TWP. **18S** RGE. **28E** NEPM

7. Field or Project Name
Empire Abo Pressure Maintenance Project

8. Name of Lease

Empire Abo Unit "I"

9. Well No.

292

10. Field and Pool, or Wildcat

Empire Abo

11. County

Eddy

15. Date Spudded **5/8/79** 16. Date T.D. Reached **5/28/79** 17. Date Compl. (Ready to Prod.) **6/12/79** 18. Elevations (DF, RKB, RT, GR, etc.) **3663.6' GR** 19. Elev. Casinghead

20. Total Depth **6350'** 21. Plug Back T.D. **6288'** 22. If Multiple Compl., How Many **23. Intervals Drilled By** **Rotary Tools** **0-6250'** **Cable Tools**

24. Producing Interval(s), of this completion - Top, Bottom, Name

6200-6220' Abo Reef

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run

GR-DLL, RXO, GR-N, GR-CNL-FDC & CBL

27. Was Well Cored

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8" OD	24# K-55	749'	11"	550 sx plus 4 yds R-M	
5 1/2" OD	15.5# K-55	6350'	7-7/8"	2170 sx	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8" OD	6169'	6169'

31. Perforation Record (Interval, size and number)

6200-6220' = 2 JSPF (40 .43" holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6200-6220'	150 gals 15% HCL-LSTNE-FE acid, 1000 gals 10 ppg gelled CaCl, 1000 gal gel LC, 1000 gal 15% HCL-LSTNE-FE acid, flushed w/24 BLC.

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
6/12/79	Flwg	Prod
Date of Test	Hours Tested	Choke Size
6/17/79	24	48/64"
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate
80#	Pkr	160
Oil - Bbl.	Gas - MCF	Water - Bbl.
160	85	0
Oil Gravity - API (Corr.)		
44°		

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

N. H. Truitt

35. List of Attachments

Logs as listed in Item 26 above & Inclination Report

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED

TITLE **Dist. Drlg. Supt**

DATE

6/20/79

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths, in the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 39 through 44 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Any	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Aloka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Gize
T. Glorieta	T. McKee	T. Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T. T.
T. Blinberry	T. Gr. Wash	T. Morrison	T. T.
T. Tubb	T. Granite	T. Todillo	T. T.
T. Drinkard	T. Delaware Sand	T. Entrada	T. T.
T. Abo	T. Bone Springs	T. Wingate	T. T.
T. Wolfcamp	T. T.	T. Chinle	T. T.
T. Penn.	T. T.	T. Permian	T. T.
T. Cisco (Bough C)	T. T.	T. Penn. "A"	T. T.

OIL OR GAS SANDS OR ZONES

No. 1, from 6200' to 6220'	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet.	None encountered
No. 2, from _____ to _____ feet.	
No. 3, from _____ to _____ feet.	
No. 4, from _____ to _____ feet.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness In Feet	Formation	From	To	Thickness In Feet	Formation
0	749	749	Surface, caliche, sd & red bed				
749	4655	3906	Anhydrite				
4655	4735	80	Anhydrite & Lime				
4735	4830	95	Lime				
4830	4873	43	Anhydrite, Dolo				
4873	6350	1477	Lime, Dolo				